



Recycling

Reiling Kunststoff Recycling will do whatever it takes to produce the purest flakes



Reiling Kunststoff Recycling
(Germany)
Product: FLAKE PURIFIER+

Behind the name Reiling is more than a century of experience collecting and reclaiming recyclable materials. The family-run recycling company provides a variety of services from collection, to transport, to processing, to delivering high-quality recyclate. Their expertise makes them a valuable partner to industry, local government, trade, and dual recycling systems.

Reiling operates plastic recycling plants in Marienfeld, Hamm, and at their newest location in Burgbernheim.

The problem: Only the purest PET flakes can be sold profitably

New guidelines are leading to an increase in the volume of PET bottles collected. With this influx of bottles, full service is becoming increasingly important. Reiling is prepared to fulfill this need, offering an entire range of services from collection (full service or DIY), to processing (converting bottles to flakes), to creating carefully controlled end products.

The PET bottles are delivered to Reiling's facilities in compressed briquettes or bales. Before the PET bottles can be processed, each bottle needs to be separated from the compressed mass so it can be washed and sorted according to color. After the shredding

and washing processes, the flakes are cleaned again using a sorting system. For those who will eventually buy the flakes, color and material purity are of central importance, as high-quality starting materials are needed to manufacture new products.

The solution: From bottles to flakes with advanced sorting technology

Reiling Kunststoff Recycling uses state-of-the-art equipment to efficiently process their PET flakes, ensuring that buyers receive only recyclate with the highest material and color purity.

The FLAKE PURIFIER+ system from Sesotec plays an important role in the PET sorting process at their recycling facilities. The sorting system is equipped with an array of sensors that make it possible to separate PET flakes according to color, metal contaminants, and type of plastic.



The newest models of the FLAKE PURIFIER+ are currently in use at Reiling facilities in Marienfeld and Burgbernheim.

The customer benefit: Maximal quality with minimal loss of good material

On top of optimal sorting capabilities, FLAKE PURIFIER+ can be efficiently integrated into the overall system, offering precise fits for connections at material feeding and outlet points.

Feed hoppers transfer the PET flakes to the main conveyor of the FLAKE PURIFIER+ for sorting. Material that is rejected from the main conveyor is automatically fed back into the system via a recovery lane.

The big advantage: the majority of good material will be recovered, and only minimal good material will be lost during sorting.

Andreas Schragen, Managing Director of Reiling Kunststoff Recycling, is convinced of the value provided by Sesotec's all-round service: "Our facilities have benefited from Sesotec's reliability and competence for many years. The new FLAKE PURIFIER+ series makes it possible to achieve a closed material cycle. We can even guarantee flakes that are pure enough for use in food contact applications."

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The Sesotec group is one of the leading manufacturers of machines and systems for contaminant detection and material sorting. Product sales primarily focus on the food, plastics, and recycling industries.

www.sesotec.com**Metal detection systems****X-ray inspection systems****Sorting systems****Magnet systems**